

The Title	Municipal Waste Separation Management in School : Case Study of Wat Nawong School, Tambon Lakhok, Amphor Muang, Changwat Patumtani
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The first objective of this research is to reduce the amount of solid waste in school by applying principle of community waste separation and management , then compare the difference of daily survey of waste quantity and type for a period of 44 working days before and after waste management . The second objective is to develop an environmental education practicum for training 147 students of Primary School grade 4-6 in Wat Nawong School, Tambon Lakhok, Amphor Muang, Changwat Patumtani to promote their attitudes, knowledge, awareness and behavioral change on proper waste separation.

The results of the study reveal that the average daily amount of community waste is 58.50 kilogram. The main types of the wastes produced found including garbage or degradable waste, rubbish and recycle waste. The average daily amount of those mentioned wastes are 32.76, 20.77 and 5.23 kilogram or 55.77, 35.35 and 8.88 percent respectively. After applying the waste separation principle, each type of the wastes is properly treated : garbage is used as raw material for organic and liquid fertilizer production which both fertilizers efficiency are approved by being tested in demonstration agricultural plots; recycle waste is partly kept as raw material for handcraft training course in the school and the other part is kept for sale ; the remained rubbish is then being collected by Tambon Administration Organization (TAO). It appears that the apply

management can reduce the average daily amount of the school's waste released to the community up to 54.65 percent of the total waste produced.

The result of the training indicates that the students who have been trained through the developed environmental education practicum gain their awareness, knowledge, skill and attitudes towards community waste problem and management at significant level of 0.05. The post-training evaluation, 1 month later, implies that the students' behavioral change on community waste separation increases gradually and correctly .

Key words

- **Municipal waste**
- **Waste Separation Management**
- **Environmental Awareness**
- **Waste Separation Awareness**